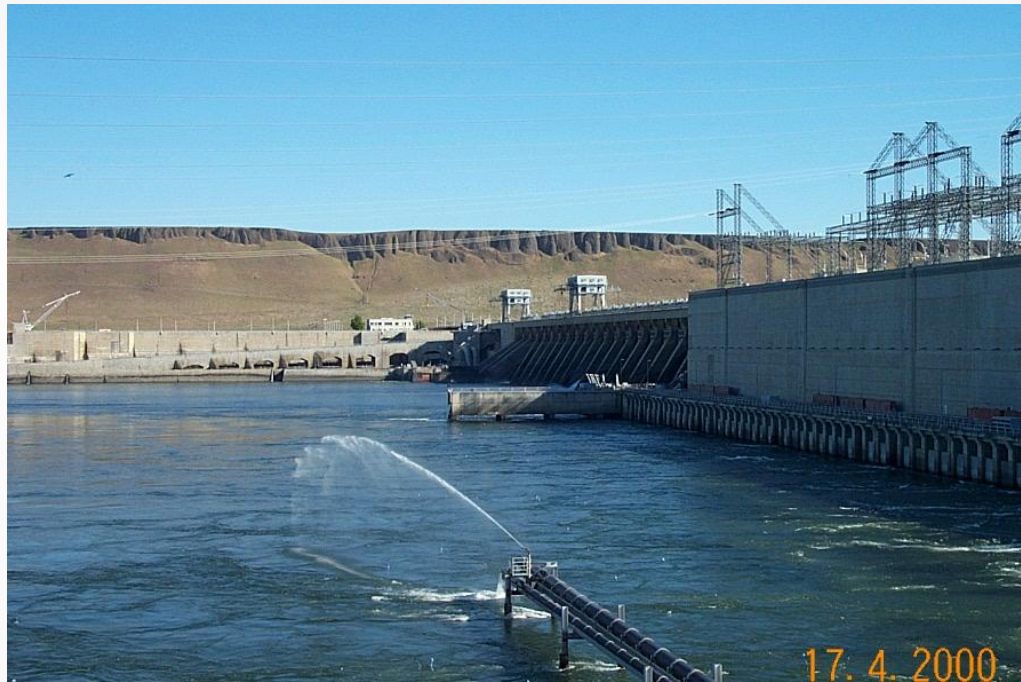


Northeast of McNary Annual Meeting

March 27, 2013



**POLICY TITLE: Columbia River Basin POLICY NUMBER: C-3620
Salmon Management**

This policy is applicable to the management by the Washington Department of Fish and Wildlife (Department) of Pacific salmon (spring Chinook, summer Chinook, fall Chinook, sockeye, chum, and coho, and steelhead) fisheries in the mainstem of the Columbia River and the Snake River.

- Barbless Hooks. Implement in 2013 the use of barbless hooks in all mainstem Columbia River and tributary fisheries for salmon and steelhead.

PFMC/NOF Schedule

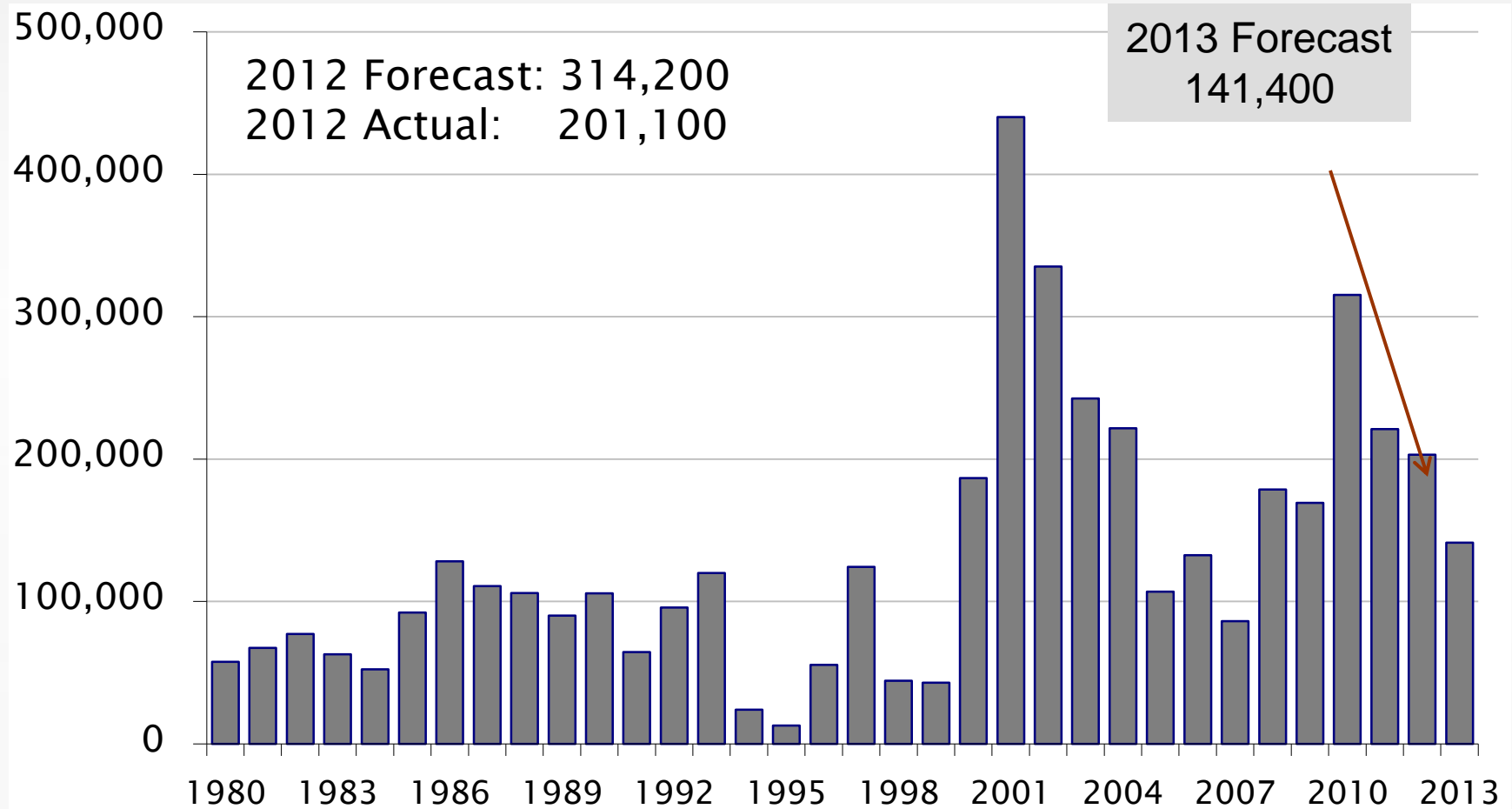
- ▶
- ▶ April 1 Monday
- ▶ 9am – 2pm
- ▶ Columbia River
- ▶ Define preferred salmon seasons
- ▶ WDFW Offices, Olympia
- ▶ Natural Resources Bldg, Rm 172

- ▶ April 6–11
- ▶ Saturday – Thursday
- ▶ Pacific Fishery Management Council
- ▶ All salmon fisheries finalized
- ▶ Sheraton Portland Airport Hotel
- ▶ 8235 NE Airport Way
- ▶

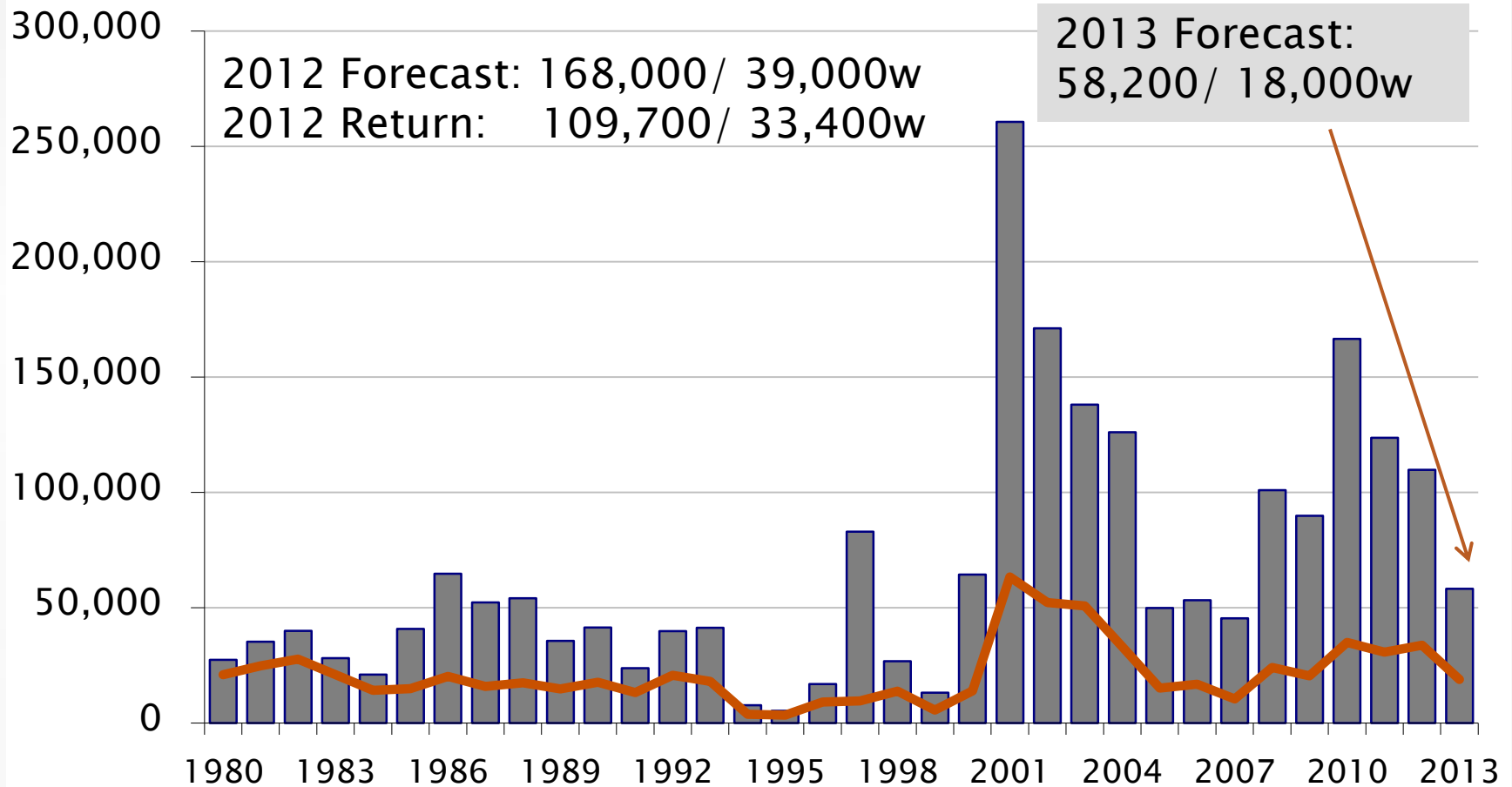
Columbia River Salmon and Steelhead

2012 Returns and
2013 Forecasts

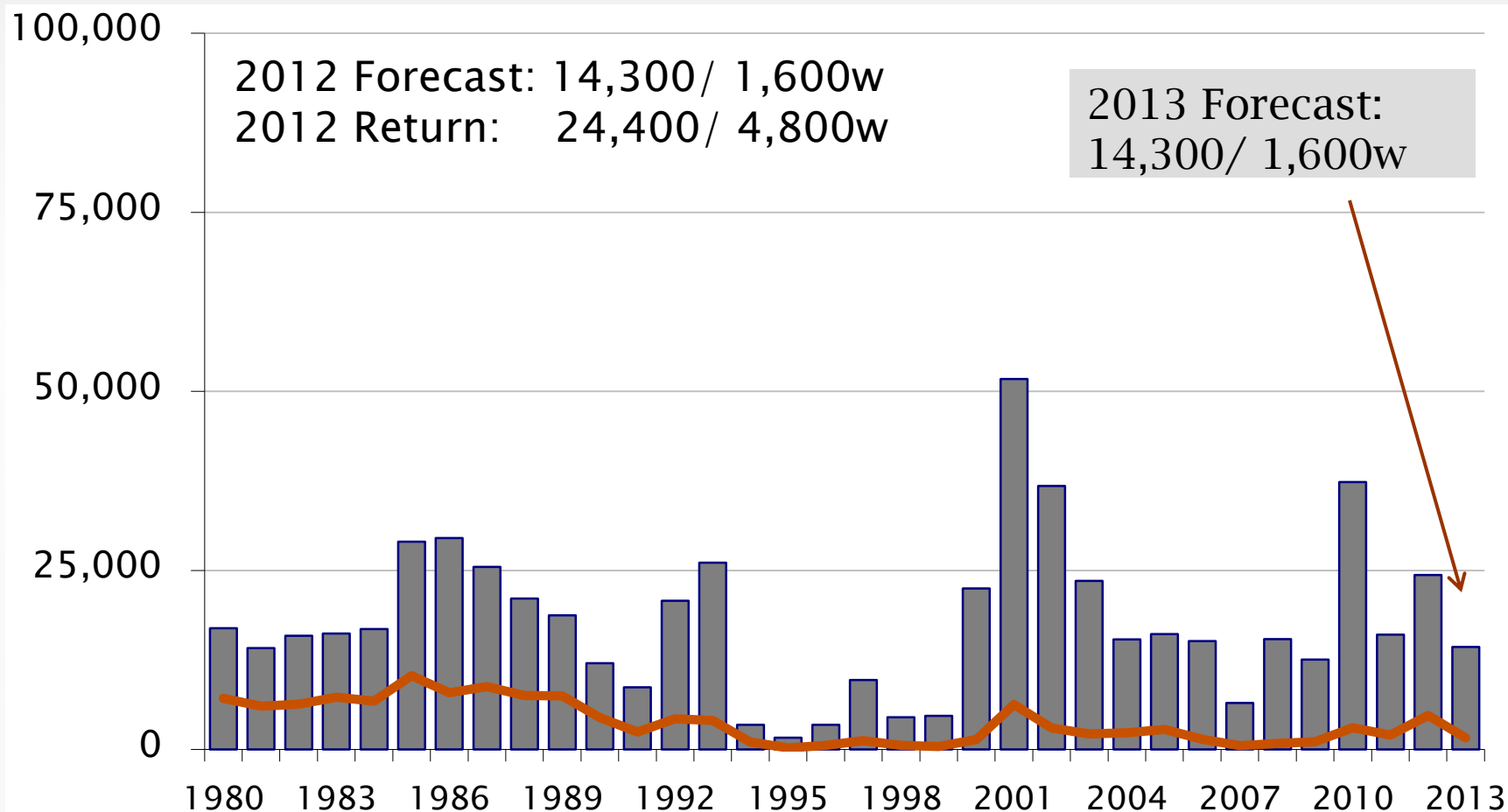
Upriver Spring Chinook



Snake River Spring/ Summer Chinook



Upper Columbia Spring Chinook



2013 Upriver Spring Chinook Management Guidelines

- ▶ *U.S. v Oregon* (2008–2017) guidelines
 - Preseason: 141,400 fish with a 1.9% ESA impact limit
 - 30% buffer in place until run size update
 - Manage for 99,000 fish with a 1.6% ESA impact limit
 - Catch Balance provision
 - Catch Balance more constraining than impacts
- ▶ Commission Policy (2008–2013)
 - Sets comm./sport impact-sharing based on run size
 - Sets 25% of the sport allocation aside for >BON sport
 - 5% of total NI impacts unallocated by commissions

2013 Spring Chinook Fisheries

- ▶ Below Bonneville sport
 - Season: Jan 1 – Apr 5, 1 fish bag beginning March 1
 - Catch allocation: 4,900 upriver prior to a run update
- ▶ Bonneville to WA/OR border above McNary sport
 - Season: March 16– May 5, 2 fish bag
 - Catch allocation: 650 upriver prior to a run update

Catch of Upriver Spring Chinook

Catch of upriver Spring Chinook by Area			
Upriver Spring Chinook kept + release mortalities			
	LCR Sport	Zone 6	Snake R
2001	22,714	167	1,495
2002	16,245	1,716	901
2003	9,581	1,860	556
2004	17,138	1,616	1,259
2005	7,235	388	85
2006	4,187	1,245	202
2007	3,927	1,368	292
2008	19,612	2,215	529
2009	15,246	717	510
2010	23,535	3,930	1,627
2011	9,506	2,379	1,943
2012	10,422	886	2,316
5-yr Ave	15,664	2,025	1,385
% of total	82%	11%	7%

2013 Bonneville Pool Tributary Fisheries

▶ Wind River

- 2013 Season delayed based on low forecast
- Closed upstream of Shipherd Falls
- Extended river mouth boundary
- 1–chinook bag limit/no 2–pole allowed

▶ Drano Lake

- Season similar to 2012
- Increased bank fishing outside lake
- Yakama Nation platform fishery

▶ Klickitat River

- Season similar to 2012

Snake R. Spring Chinook Fisheries

- ▶ Expectations for tonight:
- ▶ Summary of Snake R. Stakeholder feedback
 - What we have heard
 - Can't change the ESA or Harvest allotments, or pre-season run prediction for 2013
 - Discuss what went Right & what went Wrong in 2012 for Snake River Fisheries
 - Summary of 2012 Fisheries
 - Review fisheries proposals for 2013

2012 Snake R. Spring Chinook Fisheries

► Things that went Right:

- opened 4 areas with lots of angler interest
- fishing was very good late season in some areas
- we have tried to grow these fisheries for >10 yrs
& we achieved the full harvest allotment
- we remained under the ESA impact allotment
- last 3 yrs have had the highest harvests in ~ 35 yrs

2012 Snake R. Spring Chinook Fisheries

► Things that went Wrong:

- fish did not arrive until 10–14 d after opener, then spiked & intensive fisheries in L. 2 zones for 7–10 d
- we attempted to share opportunity & harvest with upper 2 Snake zones
- fishing was so hot in the lower 2 zones that we could not close them fast enough
 - * over harvested locally & for Snake R total

2012 Snake R. Spring Chinook Fisheries

- ▶ Things that went Wrong (2):
 - upper zones got very little opportunity once fish arrived in decent numbers
 - seasons closed abruptly & angler plans & expectations were disrupted
 - lots of dissatisfaction, frustration, & anger
 - * especially in upper 2 zones with little opportunity

2012 Snake River Fisheries

		<u>Dam counts</u>		<u>Harvest</u>		Total Harvest = 2,338
	Open	<u>100/d</u>	<u>500/d</u>	<u>1st kept</u>		
▶ IHR	4/20	4/30	5/10	5/2	last 5 d =	165-270/d (& <u>1,097 kept</u>)
▶ LGO	4/25	5/3	5/11	5/4	last 5 d =	79-377/d
▶ LGR	4/25	5/5	5/15	5/20	last 3 d =	0-7/d
▶ Clark	4/25	5/7?	5/17?	5/19	last 3 d =	7/d

2012 Snake River Fisheries

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▶ LGR	4/25	5/5	5/15	5/20	last 3 d =	0-7/d
▶ Clark	4/25	5/7?	5/17?	5/19	last 3 d =	7/d

- ▶ 9 – 13 d after the fisheries opened = dam counts > 100/d
- ▶ 9 – 13 d after season opened = 1st fish kept at each site

2012 Peak Effort

IHR: = 95 Shore, (last day)
253 boat Anglers (104 boats)



LGO: = 136 shore,
24 boat Anglers (10 boats)



LGR:
= 39 shore,
21 BA (11 b)

Clark:
= 7 shore,
30 BA (12 b)



2012 Snake River - Spring Chinook Fishery - Summary

2012 Snake pre-season harvest estimate of **1,736** (320 rel),
ESA impact level = **0.165%**, of **2.2%** non-tribal



2012 Snake River - Spring Chinook Fishery - Summary

2012 Snake pre-season harvest estimate of **1,736** (320 rel),
ESA impact level = **0.165%**, of **2.2%** non-tribal

	Start -End		Estimated			Harvested		Released
	Dates	(days)	Angler Hrs	Angler Days (anglers interv)		Adults	hrs/f	W. Adults
IHR	4/20-5/18	(29)	34,168	5,793 (2,014)		1,255	27	362
LGO	4/25-5/18	(24)	16,627	2,668 (1,360)		977	17	83
LGR	4/25-5/22	(27)	1,801	254 (373)		16	113	3
Clark	4/25-5/22	(27)	926	130 (171)		70	13	0
Totals			53,522	8,845 (3,918)		2,338		448

2013 Proposed Snake River Fisheries

Preseason harvest estimate = $360 (+ 196) = 556$ if run as predicted

Snake R. ESA impact rate = 0.171 % (15%) of 1.9% for non-tribal fisheries (60%)

- ▶ Expected opening = **April 26 & May 3** ?
- ▶ Anticipate fisheries open 2-3 wks @ 2 d/wk (3/wk– up?)
- ▶ Rotate open days in upper & lower zones (Fri/Sat & Sun/Mon?)

2013 Proposed Snake River Fisheries

Preseason harvest estimate = 360 (+ 196) = **556** if run as predicted

SNAKE R. ESA IMPACT RATE = 0.171 % (15%) of 1.95% for non-tribal fisheries (60%)

- ▶ Expected opening = April 26 & May 3 ?
- ▶ Anticipate fisheries open 2-3 wks @ 2 d/wk (3/wk– up?)
- ▶ Rotate open days in upper & lower zones (Fri/Sat & Sun/Mon?)
- ▶ Bag of **1 adult/d** in lower zones & **2 adults /d** in upper
- ▶ Planning to open 3 areas (IHR, LGO, & LGR?, Clark?)
- ▶ WDFW will monitor fisheries & will try to give a fair share of harvest to upper zone (can't have separate allocations)
- ▶ Give 2+ days notice? to close, & reduce false expectations

2013 Yakima Spring Chinook

- ▶ Lower river section extended to Prosser to provide additional opportunity
- ▶ “Reservation Boundary Reach” (RBR) opening is unknown at this time
- ▶ I-82 at Union Gap to Roza Dam open as usual
- ▶ May 1 tentative start depending on run timing
- ▶ Same daily limit (2 hatchery chinook) and gear restrictions (one, single point barbless)
- ▶ Total adult forecast (river mouth) = 7,330
- ▶ Hatchery forecast = 3,240

- ▶ Lower river fishery thru June 15 +/-
- ▶ RBR and upper section thru June 30 +/-
- ▶ Two-poles allowed with endorsement
- ▶ CRSSE-funded hooking mortality study being conducted below Roza Dam with assistance from anglers (year 2):
 - Angler caught wild fish PIT-tagged and fitted with a radio-telemetry tag at Roza Dam
 - “Control” fish (not hooked & released) also tracked to spawning grounds with radio-tags
 - Study will compare “treatment” and “control” group pre-spawning mortality until October.

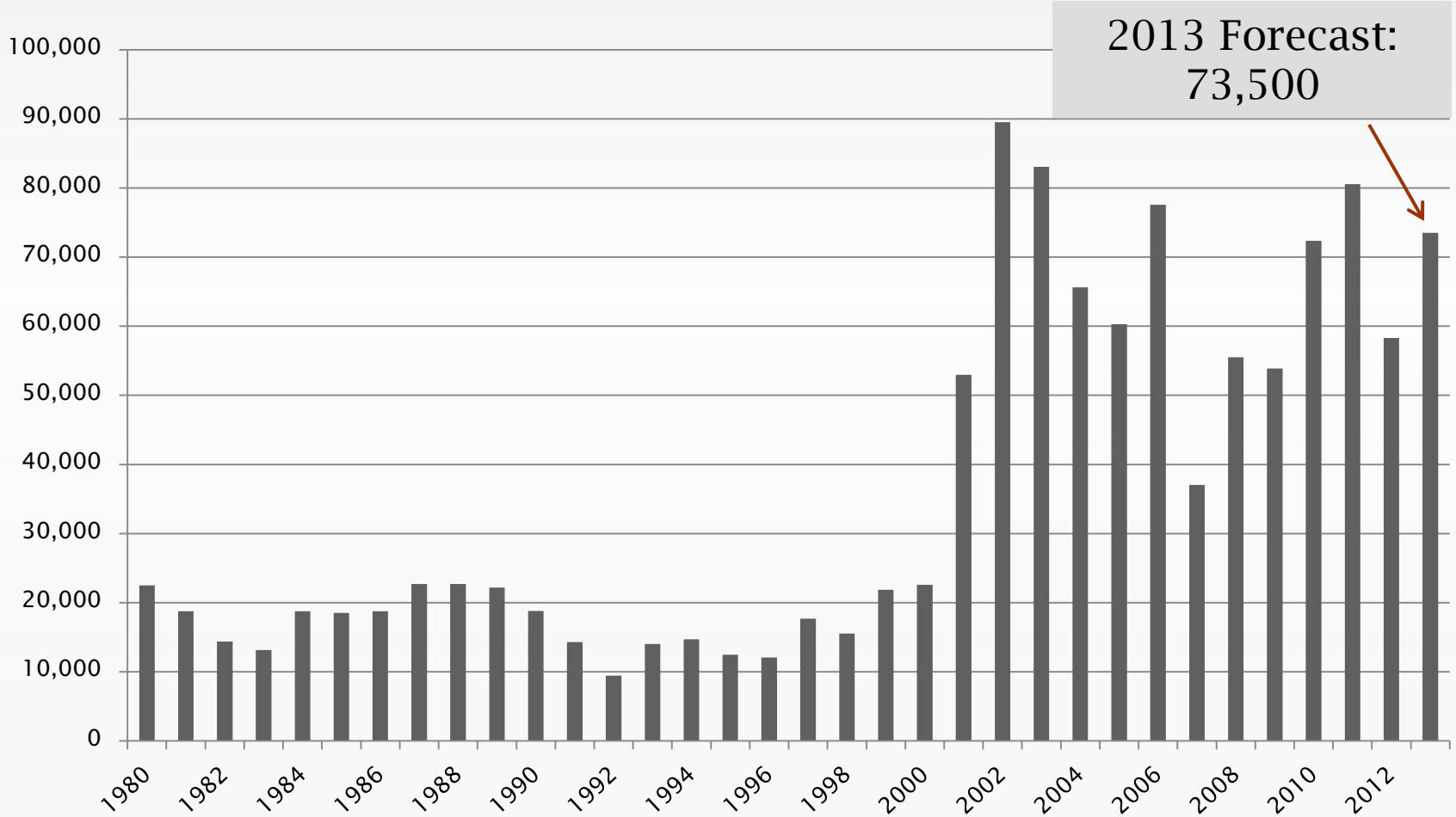
Spring Chinook Fisheries



Break



Upper Columbia Summer Chinook



2013 Summer Chinook

- ▶ Harvest Guidelines are three-tiered
 - *U.S. v Oregon* MA: Share 50/50 treaty/non-Indian
 - Upper Col MA : Share above/below Priest Rapids Dam based on run size
 - Commission policy: Share below Priest Rapids Dam 55/45 sport/comm.

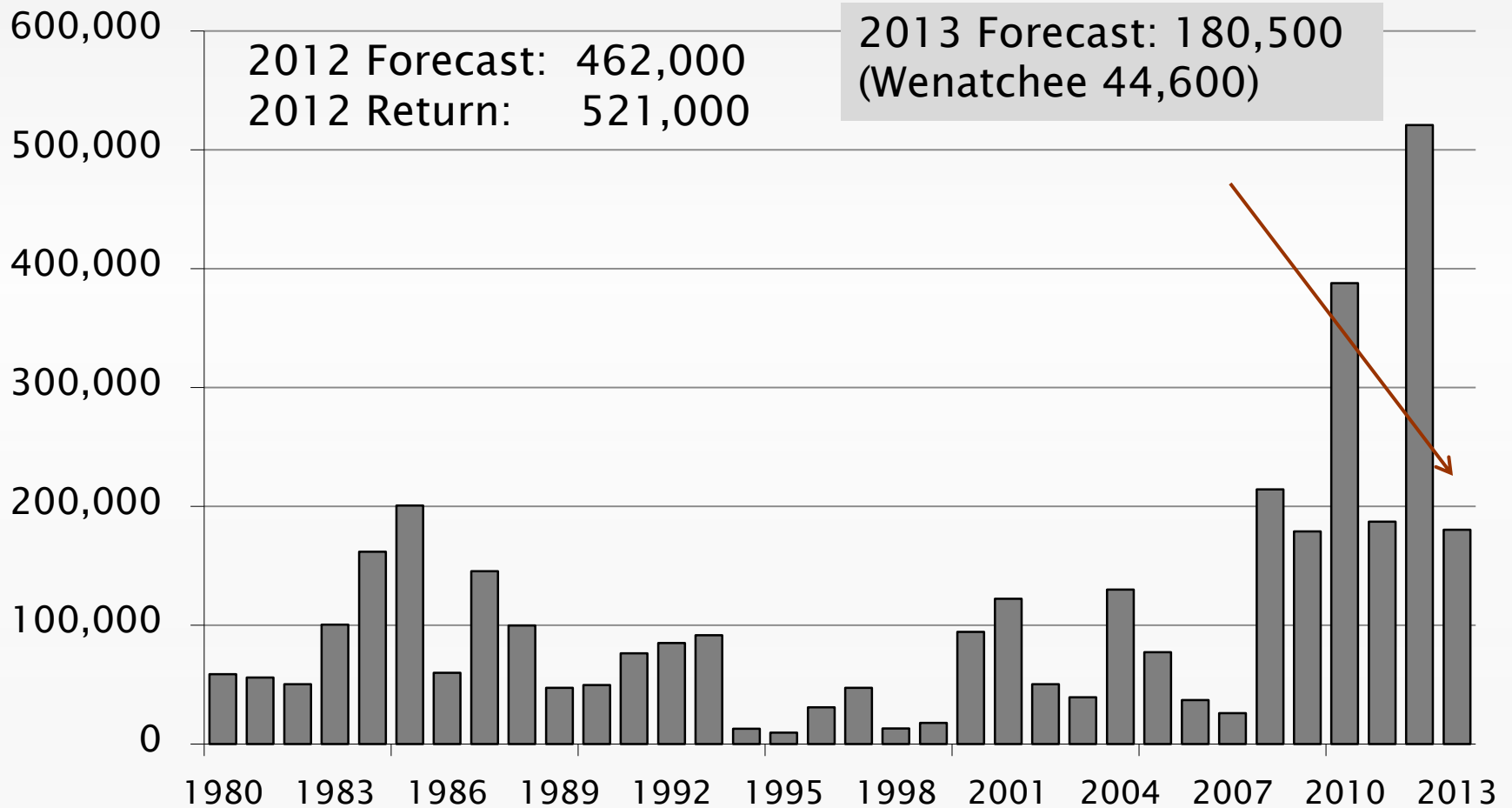
- ▶ Forecast 73,500 fish
 - 20,700 harvest for non-Indian sport and commercial fisheries, Colville and Wanapum tribal fisheries
 - 54% upstream of Priest Rapids Dam (11,100)

2012 SUMMER CHINOOK/SOCKEYE

► RECREATIONAL HARVEST:

- Priest Rapids to Chief Joseph Dams
- Daily limit of six Chinook, no more than three adult Chinook, no more than one NOR (i.e., unmarked)
- Effort:
 - 28,903 anglers (increased over 9,000 trips from 2011)
 - 151,372 hours (increased almost 55,000 hours)
- Harvest:
 - 5,497 Chinook (1,725 NOR's and 2,955 HOR's, 817 jacks)

Columbia River Sockeye



Sockeye Fisheries

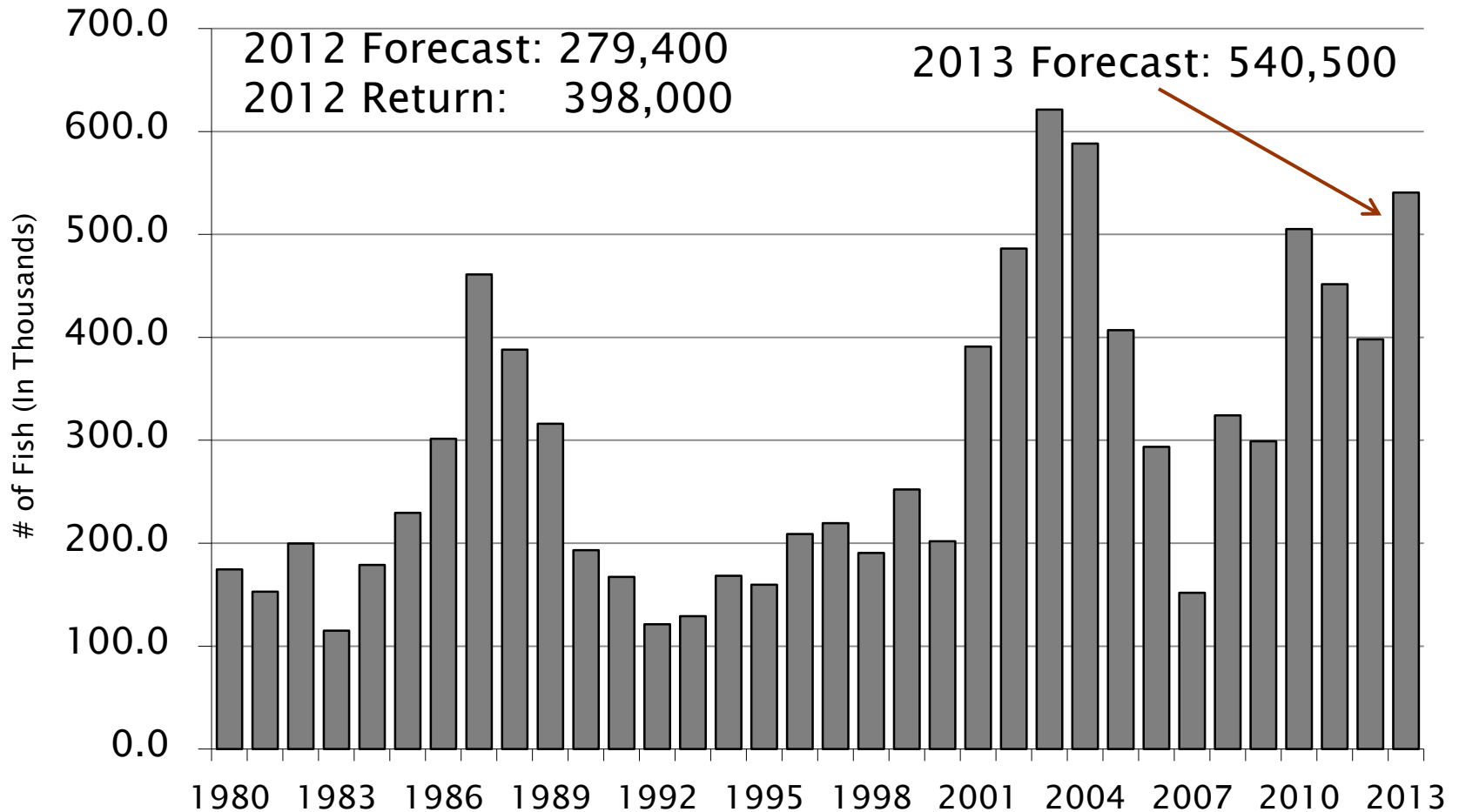
- ▶ 1% harvest allowed below the Snake River
- ▶ Mainstem Columbia
 - ▶ Some sockeye retention allowed below McNary
- ▶ Lake Wenatchee (Forecast at CR Mouth 44.6K)
 - 23,000 escapement goal
 - Need 25,000 for a fishery
- ▶ Upper Columbia – 180K Forecast

2012 SOCKEYE

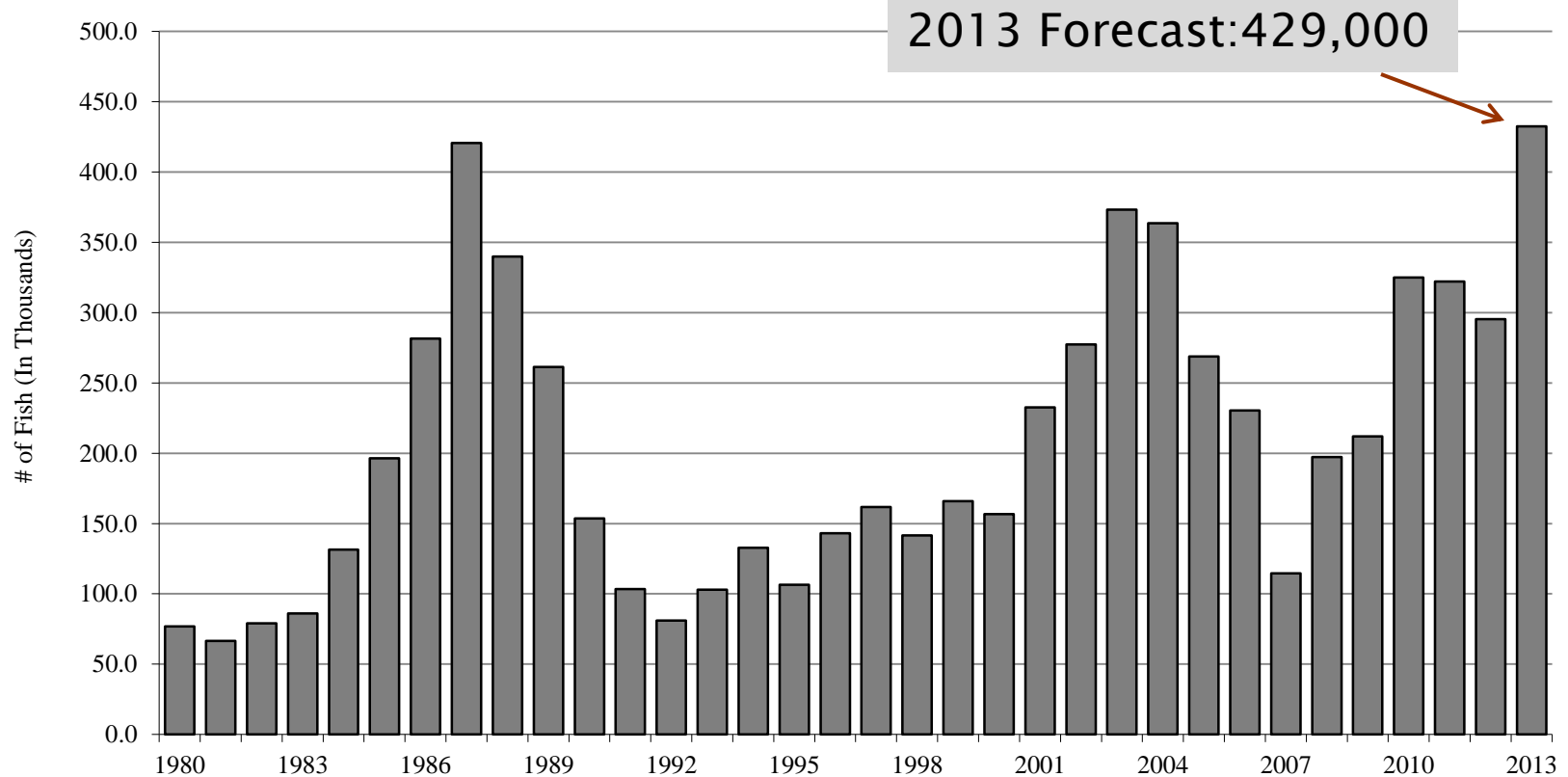
► RECREATIONAL HARVEST:

- Priest Rapids to Chief Joseph Dams
- Separate from Chinook in 2012. Daily limit six sockeye
- Effort included w/ summer Chinook
- Harvest:
 - 27,500 (~3,000 in 2011 and 10,000 in 2010)

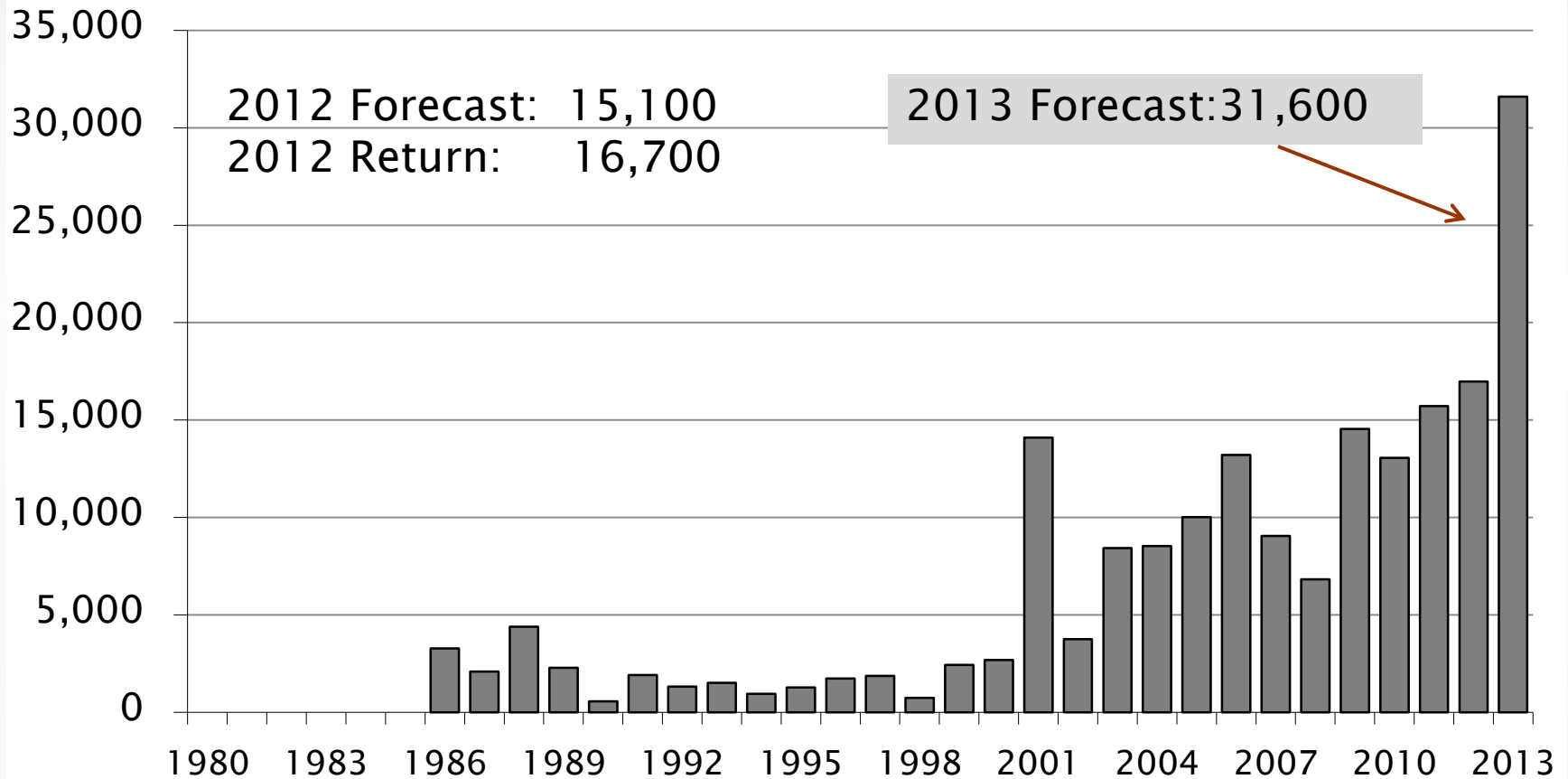
Upriver Fall Chinook



Upriver Bright (URB) Fall Chinook



Snake River Wild Fall Chinook



2013 Fall Chinook Fisheries

- ▶ Below Bonneville similar to 2012
 - Fisheries constrained by lower river stocks
- ▶ Z6 sport – Bonneville to Highway 395
 - Expect full season
 - About 6,000 fish expected harvest based on preseason abundance

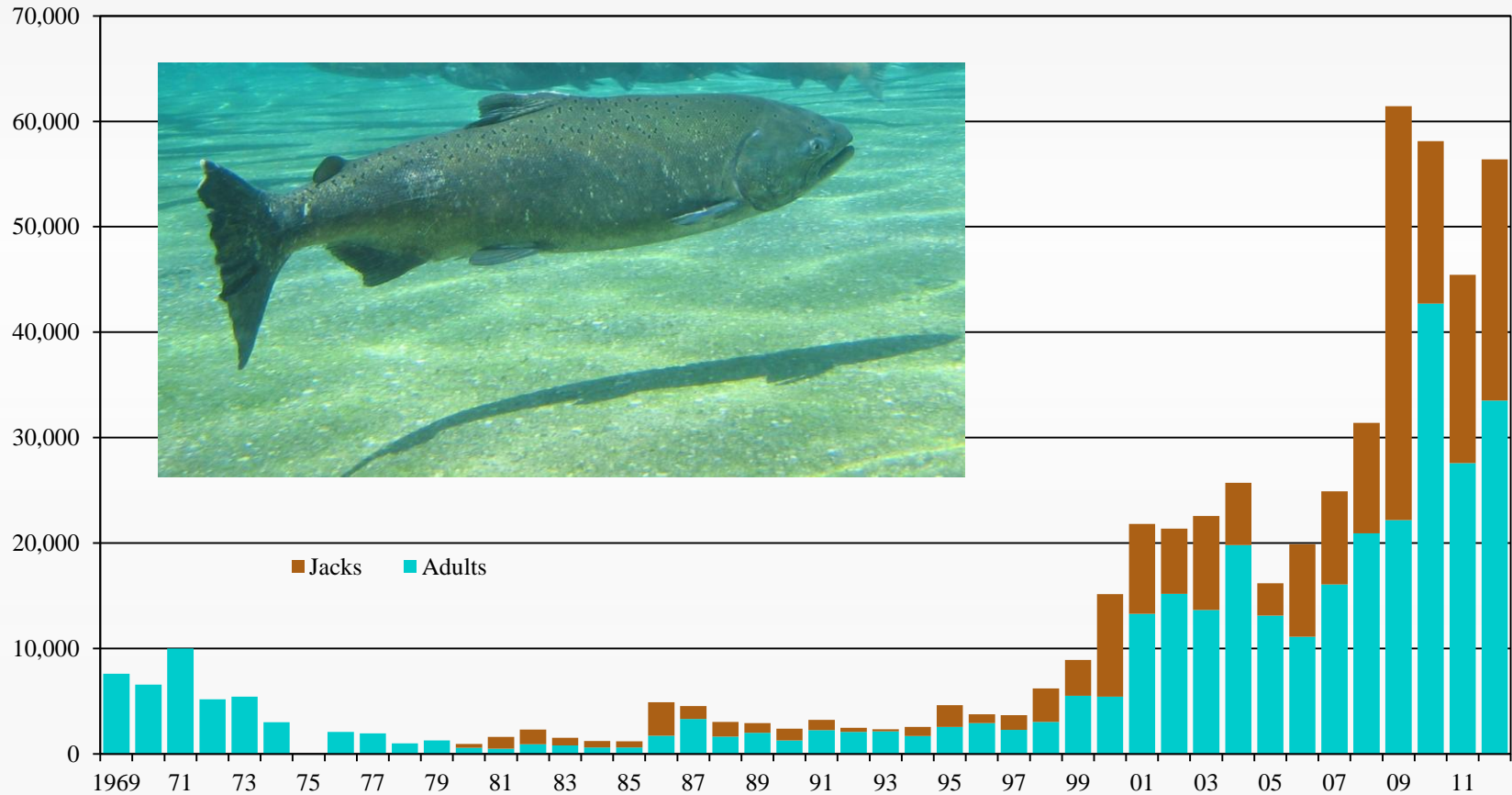
Snake River Fall Chinook Fisheries

- ▶ Opened all of Snake River in 2011, small zones for a couple yrs before
- ▶ Will use CRC for harvest estimates to monitor adult harvest

<u>zone</u>	<u>2010</u>	<u>2011</u>
648	174	243
650	<u>149</u>	<u>136</u>
Total	323	379

- ▶ Plan to open all areas again in 2013

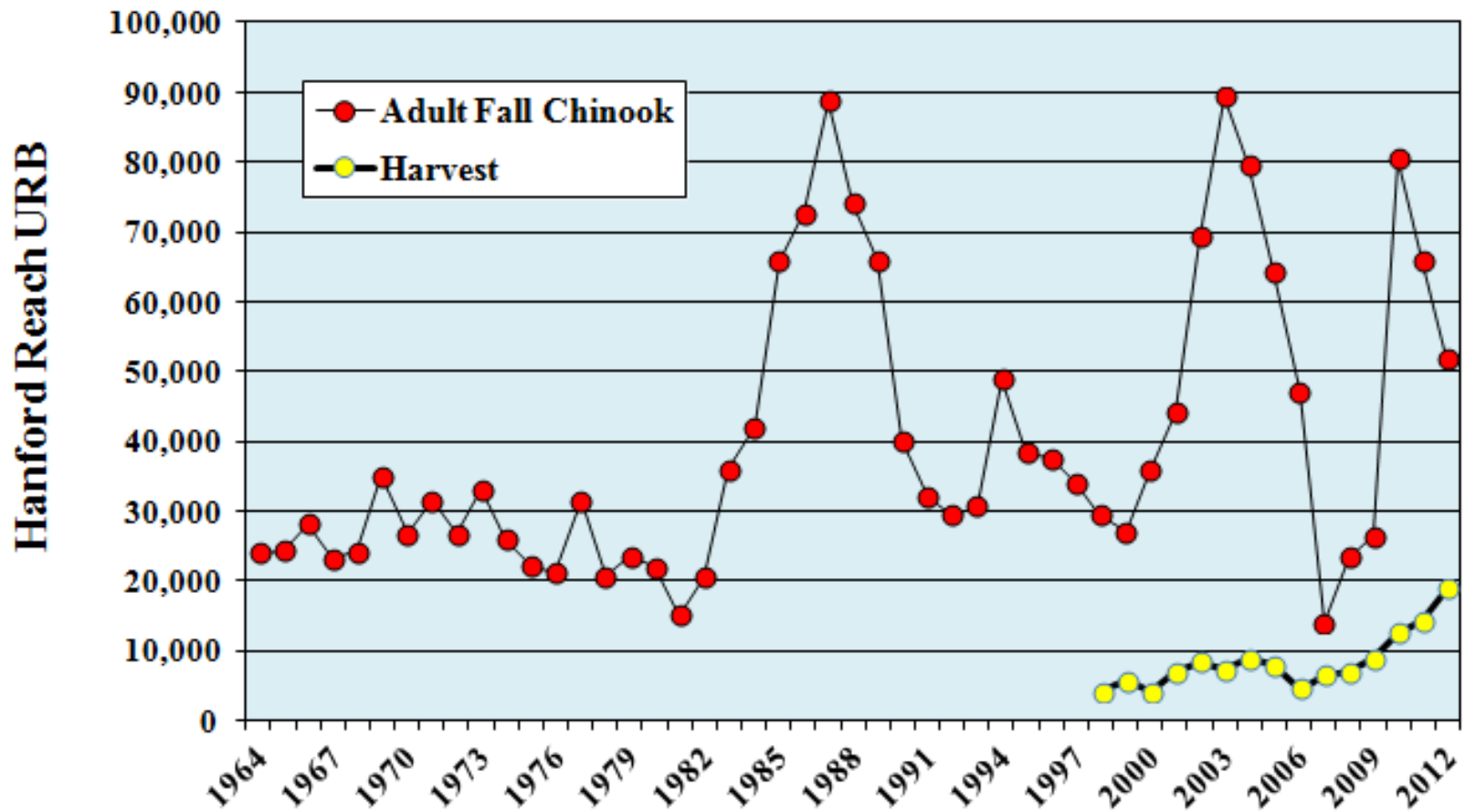
Fall Chinook Returns to LOMO





Hanford Reach Fall Chinook Forecast

Hanford Reach URBs



2013 Hanford Reach URB Forecast

Forecast 2012	Age 2	Age 3	Age 4	Age 5	Age 6	Total
Hanford Reach Natural	9,549	7,567	27,904	30,650	127	75,797
Priest Rapids Hatchery	1,157	15,221	4,391	2,178	19	22,966
Ringold Springs Hatchery	578	7,610	2,195	1,089	9	11,481
Hanford Reach	11,284	30,398	34,490	33,917	155	110,244

2012 Actual	Age 2	Age 3	Age 4	Age 5	Age 6	Total
Hanford Reach Natural	10,849	21,135	24,609	17,918	0	74,510
Priest Rapids Hatchery	9,152	14,532	3,365	990	0	28,039
Ringold Springs Hatchery	2,067	4,622	619	83	0	7,391
Hanford Reach	22,068	40,289	28,593	18,991	0	109,940

2013 Forecast	Age 2	Age 3	Age 4	Age 5	Age 6	Total
Hanford Reach Natural	9,781	11,082	49,952	16,987	325	88,127
Priest Rapids Hatchery	3,790	32,727	8,986	731	15	46,249
Ringold Springs Hatchery	1,335	7,338	2,023	47	1	10,744
Hanford Reach	14,905	51,147	60,961	17,765	341	145,119

Escapement Goal for Hanford Reach Natural Spawning Population

28,800 Adult Chinook

Fall Chinook returns above 28,800 will be
divided equally between the sport fishery and the
spawning escapement

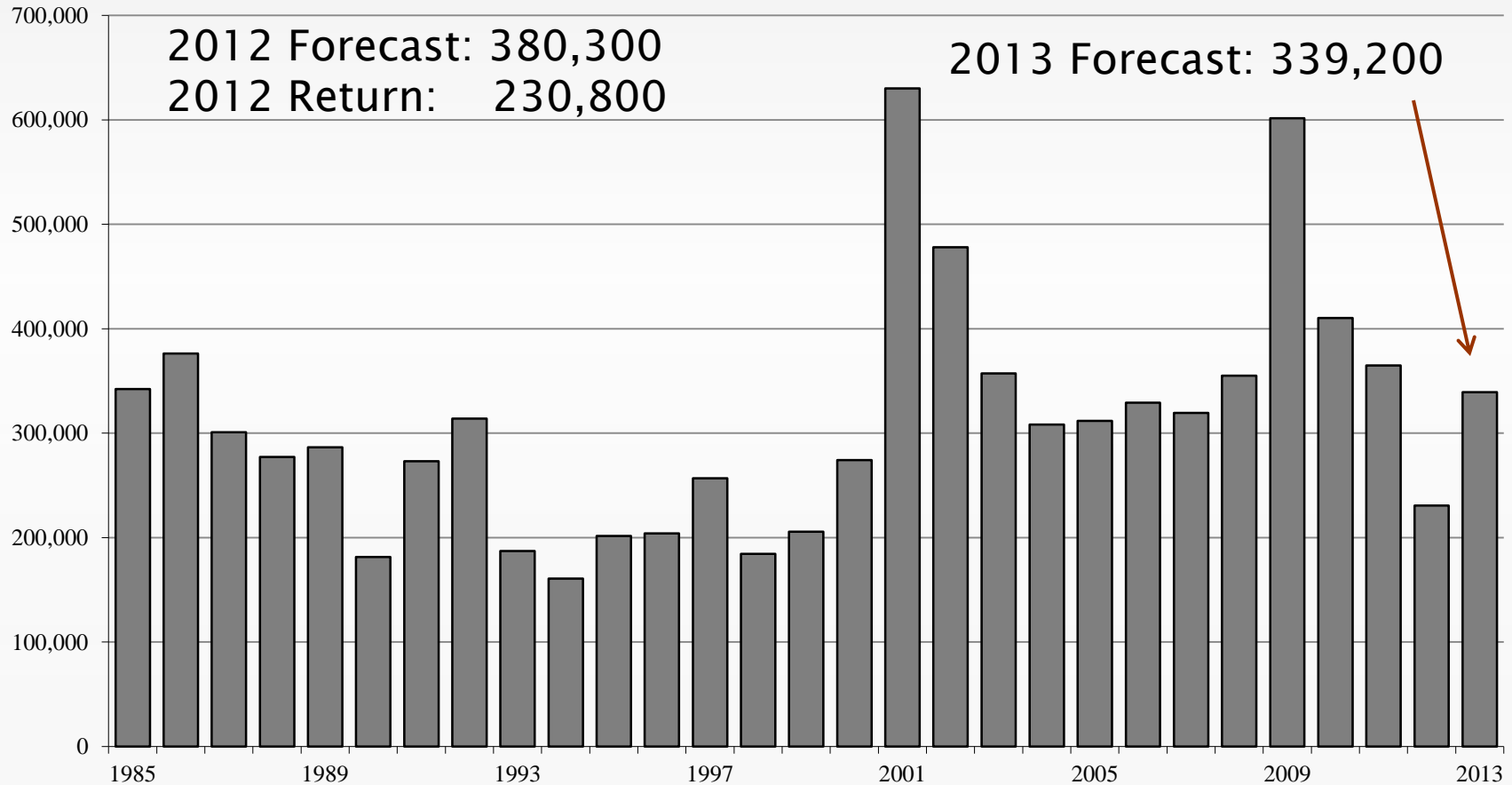
We Will Track Returns In-season

McNary - Priest Rapids – Ice Harbor / % passage by date

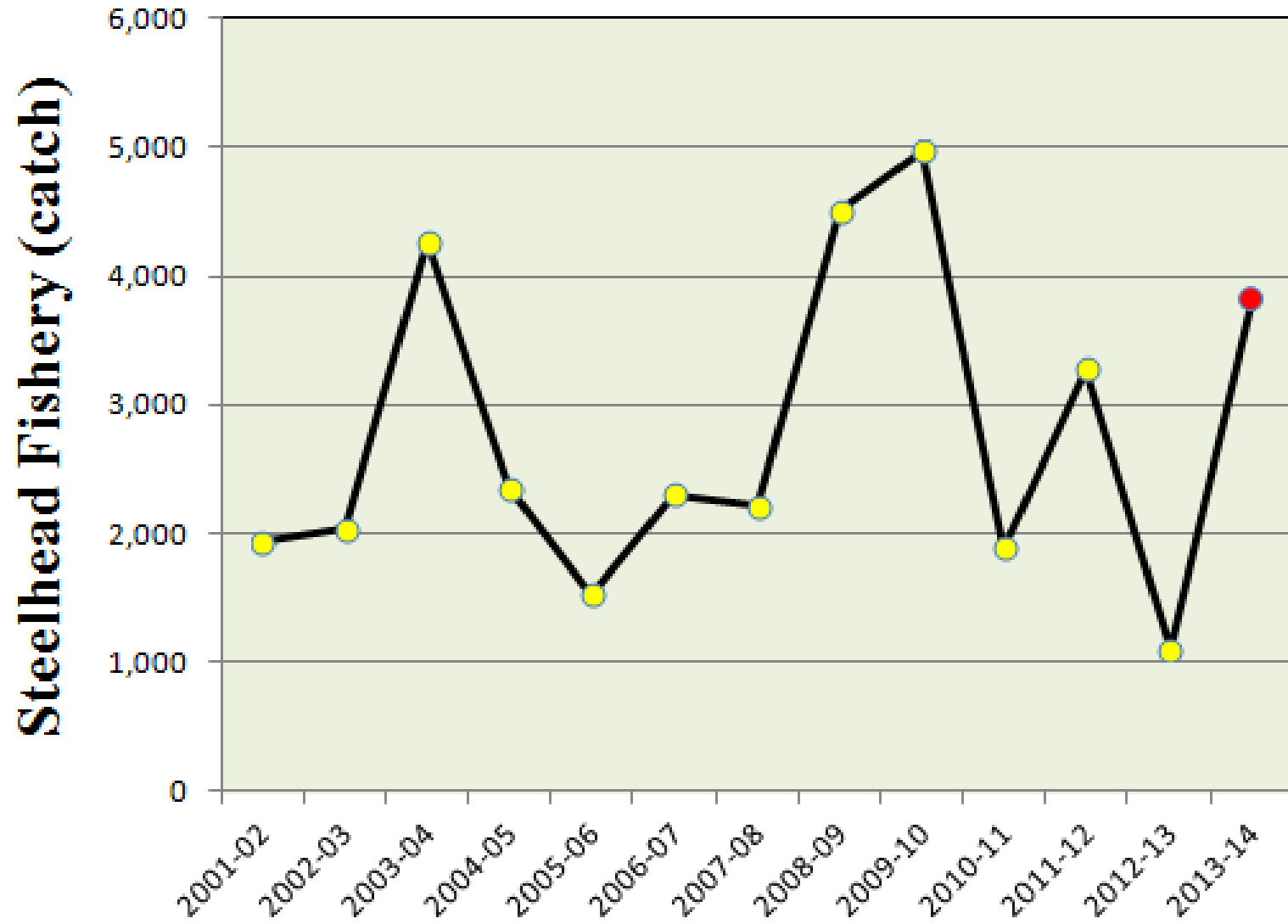
= Return



Upriver Summer Steelhead



Ringold Steelhead Fishery



2012 SUMMER STEELHEAD

RECREATIONAL HARVEST:

- Above Priest Rapids, including tributary fisheries
- Marked Selective Fisheries
 - Daily limit of 2 ad clipped steelhead HORs
 - Mandatory retention
- Effort (through January):
 - 10,978 anglers
 - 41,215 hours
- Total Catch (through Jan): 3,617 steelhead
 - Harvest 1,963 ad-clipped HORs
 - Released 1,003 ad-present HORs
 - Released 621 NORs (32 mortalities @ 5% C&R)

Snake River Steelhead Fisheries

- ▶ 2012/13 slower than usual.
- ▶ Tucannon River fishery issues
 - public meeting in late April or May & decision in summer regarding continuation of this fishery (see handout)
- ▶ Grande Ronde is a destination & is a nationally renowned fishery

Snake River Steelhead Fisheries/Harvest

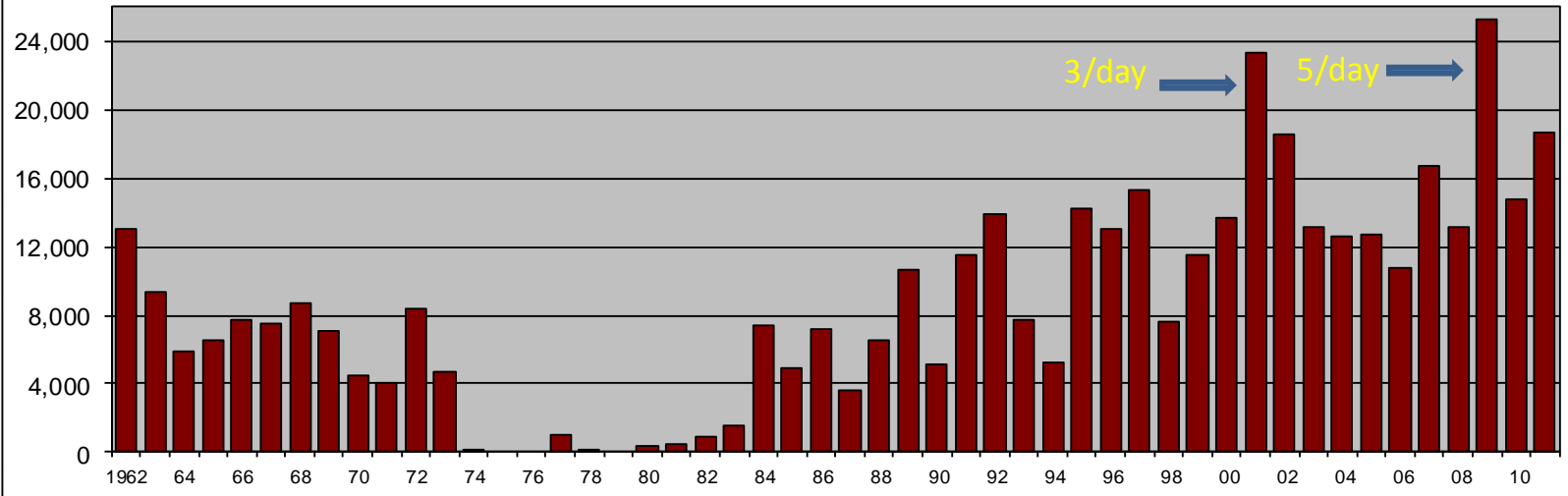
The Snake River, &
SE WA streams,
are usually in the
top 10 streams in WA



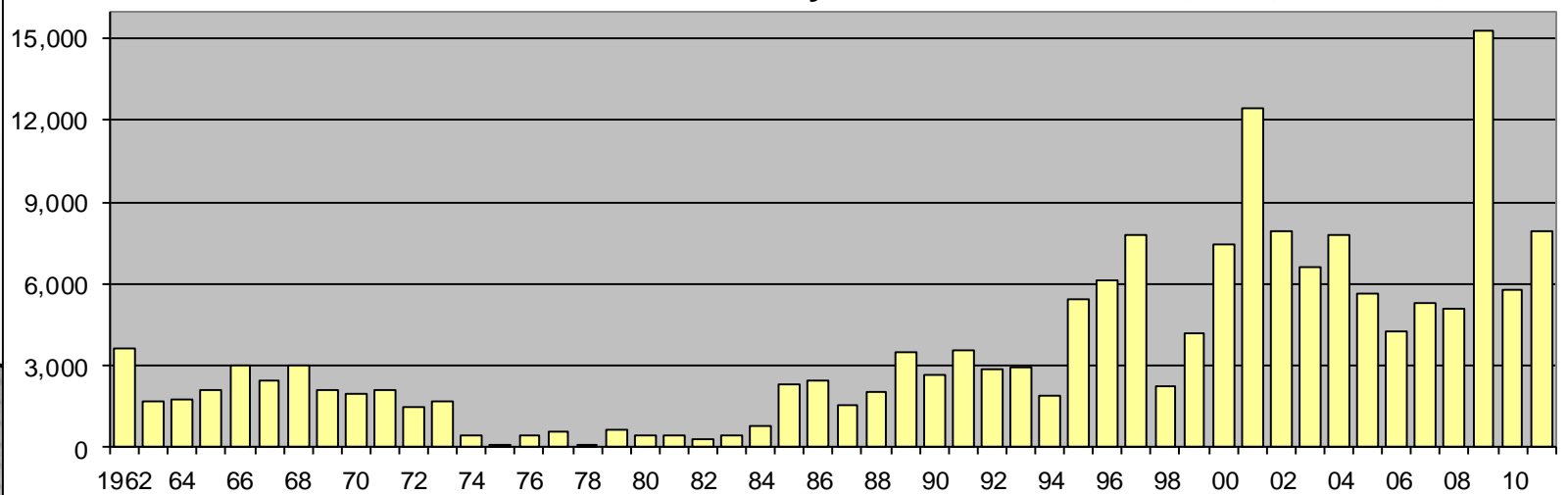
& are possibly some of
the best in the NW
for steelhead fishing

Snake River Steelhead Harvest

Snake River Mainstem Harvest

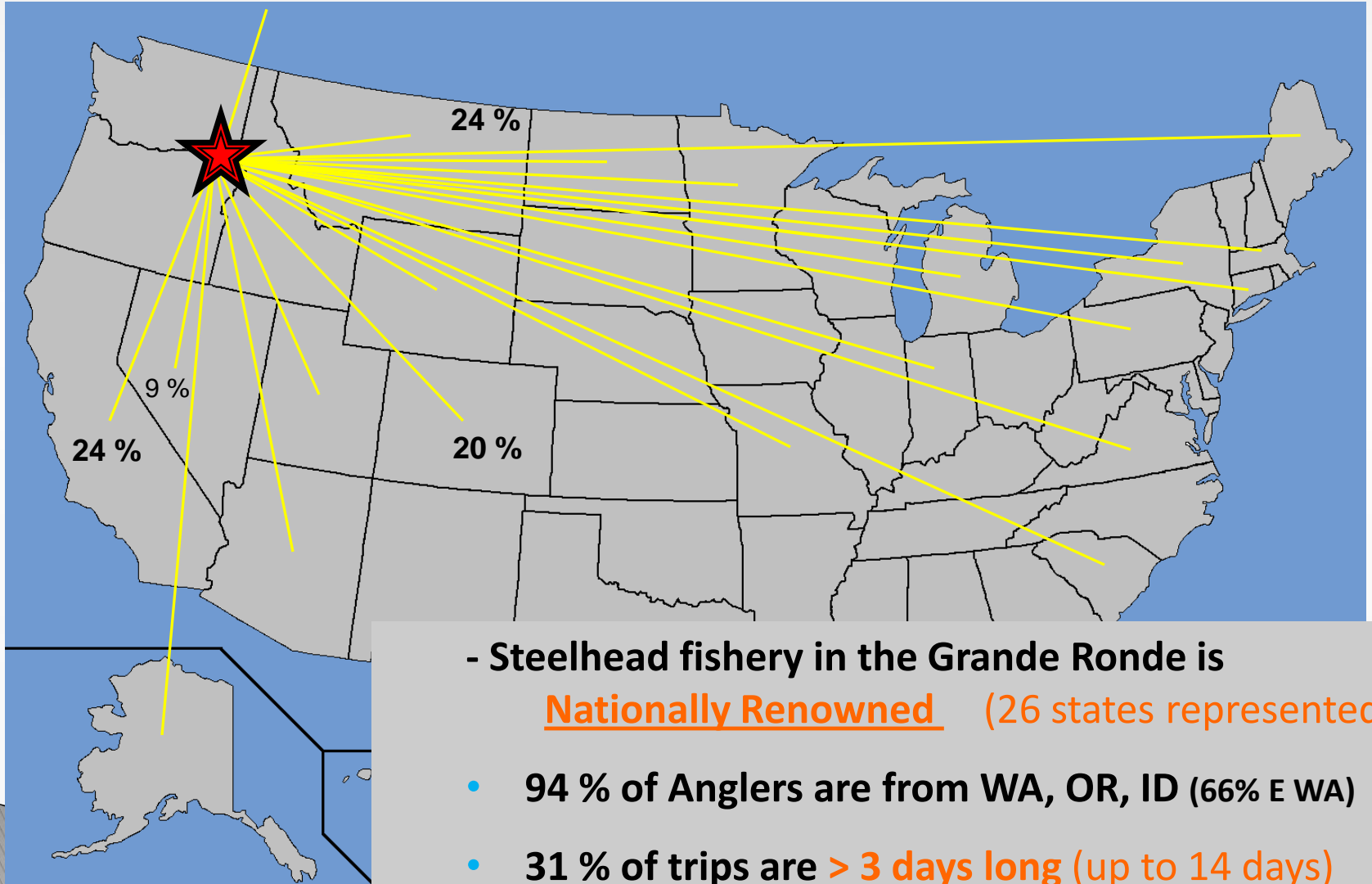


Combined SE WA Tributary Harvest = G. Ronde, Tuc, Touchet., WW

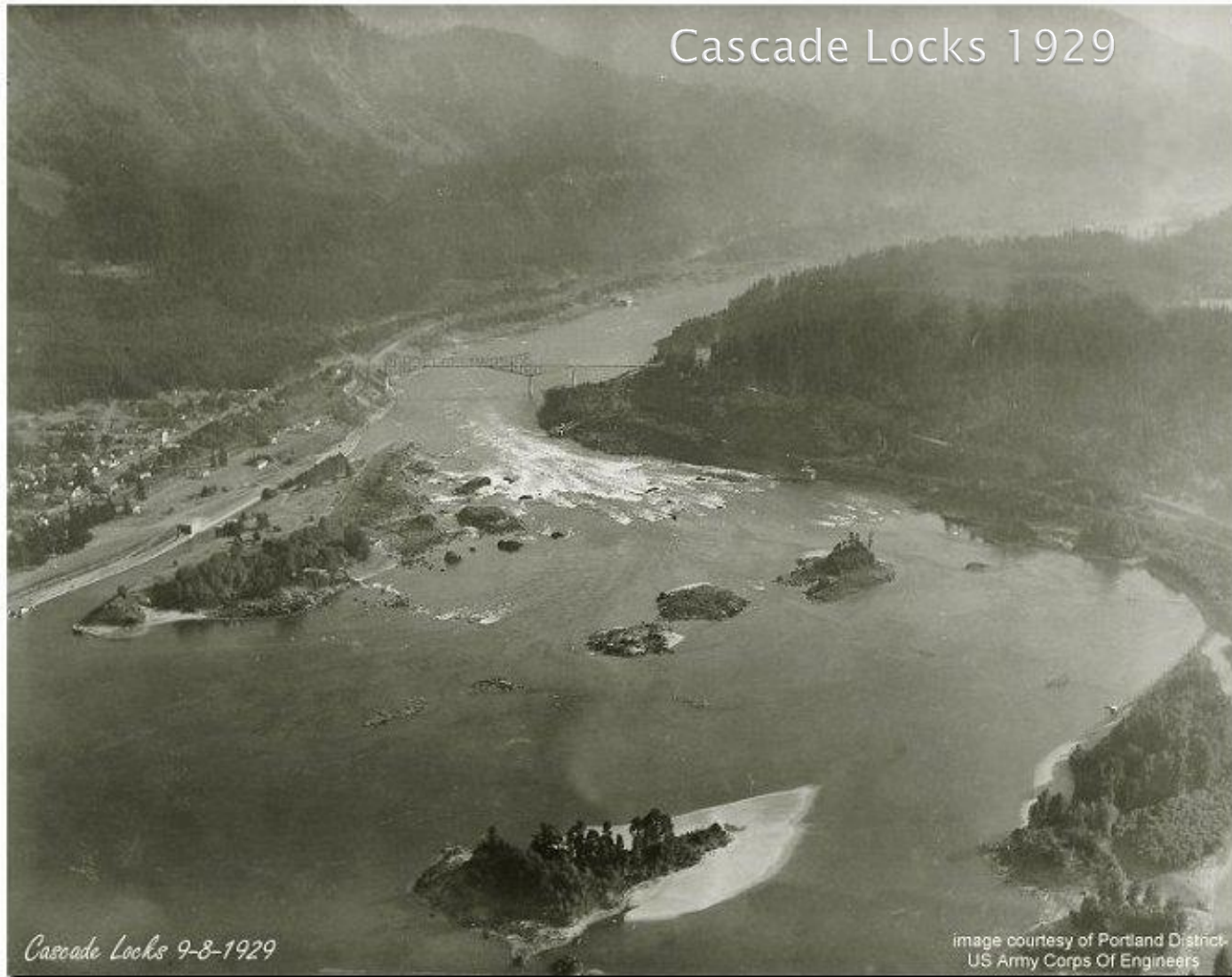


Destination – Grande Ronde

(2009-2011/12 Run Years = **3,446 anglers** interviewed Boggans to OR line)



Questions?



Cascade Locks 1929

Cascade Locks 9-8-1929

image courtesy of Portland District
US Army Corps Of Engineers

2013 Proposed Snake River Fisheries

Preseason harvest estimate = 335 (+ 196) = **531** if run as predicted

Snake R. ESA impact rate = 0.171 % (15%) of 1.95% for non-tribal fisheries (60%)

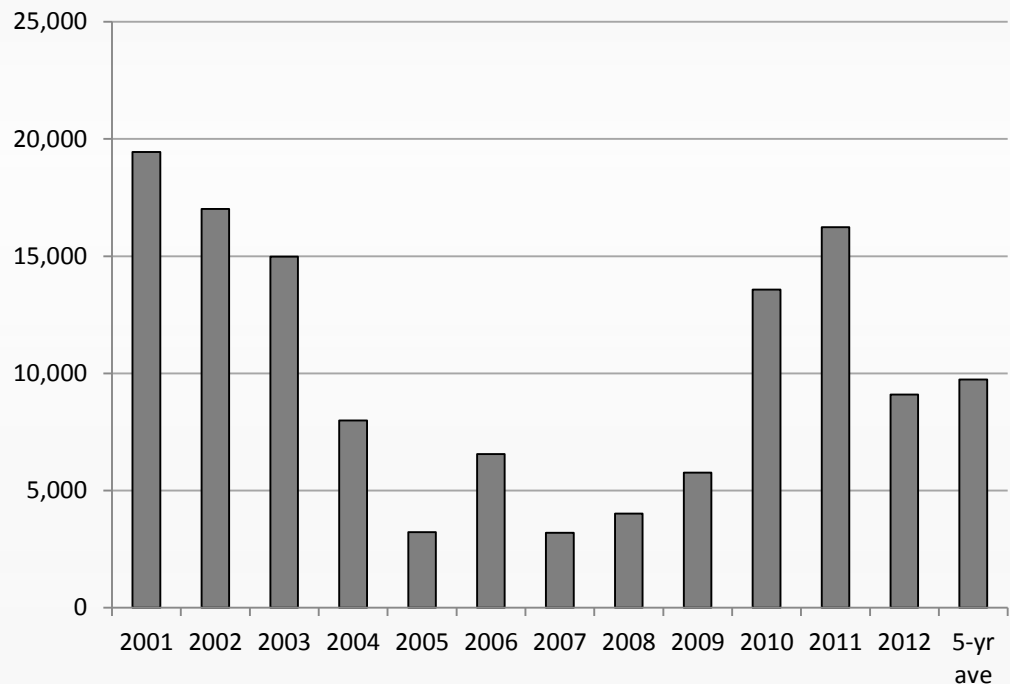
► **Vote:**

- Expected opening = **April 26 & May 3** ?
- Fisheries open **2 d/wk & 3/wk** in upper zone ?
- Rotate open days in upper & lower zones (Fri/Sat & Sun/Mon) ?
- Bag of **1 adult/d** in lower zones & **2 adults /d** in upper ?
- Open which areas (IHR, LGO, & LGR?, Clark?) ?
- Try to ensure upper zone(s) gets > 10% of Harvest ?

Tributary Fisheries

- ▶ Spring Chinook seasons are typically very stable and provide additional opportunity

**Spring Chinook Tributary Sport Catch
Upstream of Bonneville Dam**



Spring Chinook Catch in Tributary Fisheries

- ▶ Columbia River tributary fisheries on the east side of the state provide additional opportunity for hatchery Chinook harvest.

Spring Chinook						
Tributary Sport Catch upstream of Bonneville Dam						
	Wind	Drano	Klick	Yakima	Icicle	Total
2001	11,785	3,363	124	1,908	2,260	19,440
2002	11,445	3,470	373	523	1,201	17,012
2003	11,562	1,723	757	0	935	14,977
2004	5,247	1,257	555	587	347	7,993
2005	1,869	852	403	0	103	3,227
2006	3,408	2,389	226	0	529	6,552
2007	1,451	1,552	73	0	115	3,191
2008	1,934	1,098	121	520	347	4,020
2009	2,862	1,728	378	153	640	5,761
2010	7,292	4,185	185	974	940	13,576
2011	7,886	4,210	477	1,168	2,500	16,241
2012	3,500	3,400	500	700	1,000	9,100
5-yr ave	4,695	2,924	332	707	1,083	9,740
min	1,934	1,098	121	153	347	4,020
max	7,886	4,210	500	1,168	2,500	16,241